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Translation

PATENT COOPERATION TREAT

PCT



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

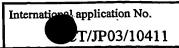
Applicant's or agent's file reference TDK044WO	FOR FURTHER ACT	TION	See Form PCT/IPEA/416			
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)			
PCT/JP2003/010411	18 August 2003	(18.08.2003)	21 August 2002 (21.08.2002)			
International Patent Classification (IPC) or n H05K 13/04	ational classification and	IPC .				
Applicant	TDK CORPO	RATION				
This report is the international preling Authority under Article 35 and transport	minary examination repor smitted to the applicant ac	t, established by this cording to Article 3	International Preliminary Examining 6.			
2. This REPORT consists of a total of sheets, including this cover sheet.						
3. This report is also accompanied by	• •					
a. [_] (sent to the applicant and	l to the International Bure	eau) a total of	sheets, as follows:			
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.						
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items:						
Box No. I Basis of the r	eport					
Box No. II Priority						
Box No. III Non-establish	nment of opinion with reg	ard to novelty, inven	tive step and industrial applicability			
Box No. IV Lack of unity						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI Certain docu	ments cited	•				
Box No. VII Certain defec	ts in the international app	lication				
Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion	of this report			
05 March 2004 (05.03.2004)		. 30	June 2004 (30.06.2004)			
Name and mailing address of the IPEA/JP		Authorized officer				
Facsimile No.		Telephone No.				



В	x No. 1	[]	Basis of the report						
1.	. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.								
		This report is based on translations from the original language into the following language, which is language of a translation furnished for the purpose of:							
i			international search (under Rules 12.3 and 23.1(b))						
		publication of the international application (under Rule 12.4)							
		international preliminary examination (under Rules 55.2 and/or 55.3)							
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):									
	\boxtimes	The i	nternational application as originally filed/furnished						
		the d	escription:						
		pages							
		page							
		page	s* received by this Authority on						
		the c	laims:						
l		page							
		page							
		page							
		page	received by this Authority on						
		the d	frawings:						
		·page							
		page							
1		page	received by this Authority on						
ı		a sec	quence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.						
Ì									
3		The	amendments have resulted in the cancellation of:						
١			the description, pages						
		\ <u></u>	the claims, Nos.						
		H	the drawings, sheets/figs						
		H	the sequence listing (specify):						
		<u> </u>	any table(s) related to sequence listing (specify):						
		L	any table(s) related to sequence risting (speedyy).						
	4.	mac	s report has been established as if (some of) the amendments annexed to this report and listed below had not been de, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box ale 70.2(c)). The description, pages						
	* If ite	ein 4 d	applies, some or all of those sheets may be marked "superseded."						



EPORT ON PATENTABILITY



Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applications and explanations supporting such statement					
1. Statement			, ma		
Novelty (N)	Claims	1-8	YES		
	Claims		NO		
Inventive step (IS)	Claims	4-6, 8	YES		
	Claims	1-3, 7	NO		
Industrial applicability (IA)	Claims	1-8	YES		
	Claims		NO		

2. Citations and explanations (Rule 70.7)

Document 1: JP, 2000-174498, A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.), 23

June 2000 (Family: none)
Document 2: JP, 2000-22396, A (SONY CORPORATION), 21 January 2000 (Family: none)

The subject matter of claims 1-3 and 7 does not involve an inventive step on account of documents 1 and 2 cited in the ISR. Document 1 describes the point about correcting the search operation start position, and document 2 describes the point about correcting the lowering amount each time contact is detected. Performing the correction of document 1 each time contact is detected as described in document 2 would be easy for a person skilled in the art.

The subject matter of claims 4-6 and 8 is not described in any of the documents cited in the ISR and is non-obvious to a person skilled in the art.